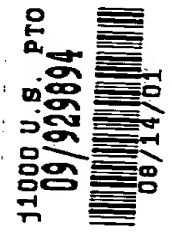


#5

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re application of: H E Butterworth

Serial No:

Filed:

Title: FREE SPACE COLLECTION IN INFORMATION STORAGE SYSTEMS

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner of Patents
Washington, D. C. 20231

Sir:

Applicants submit herewith patents, publications or other information of which they are aware, which they believe may be material to the patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g) the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56 (a) exists.

The attached form, PTO-1449, provides a listing of patents, publications, or other information as required by 37 CFR 1.98 (a)(1).

A copy of each of the items on PTO-1449 is supplied herewith.

Respectfully submitted,

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Form PTO-1449

Docket No: GB920000053US1

Application No:

INFORMATION DISCLOSURE
CITATION IN AN APPLICATION
(Use several sheets if necessary)

Applicant: H E Butterworth

Filing Date:

Group Art Unit:



U.S. PATENT DOCUMENTS

| Examiner Initial | | Document Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|------------------|----|-----------------|------------|----------|-------|----------|----------------------------|
| | 1A | | | | | | |
| | 1B | | | | | | |
| | 1C | | | | | | |
| | 1D | | | | | | |
| | 1E | | | | | | |
| | 1F | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Initial | | Document Number | Publication Date | Country of Patent Office | Class | Subclass | Translation Yes/No |
|------------------|----|-----------------|------------------|--------------------------|-------|----------|--------------------|
| | 2A | | | | | | |
| | 2B | | | | | | |
| | 2C | | | | | | |
| | 2D | | | | | | |
| | 2E | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages etc)

| Examiner Initial | | |
|------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 3A | "The Design and Implementation of a Log Structured File System" by M Rosenblum and J K Ousterhout, ACM Transactions on Computer Systems, Vol 10 No 1, February 1992, pp 26-52. |
| | 3B | "A Case for Redundant Arrays of Inexpensive Disks (RAID)", Report No UCBICSD 87/391, December 1987, Computer Sciences Division, University of California. |
| | 3C | "A Performance Comparison of RAID 5 and Log Structured Arrays", Proceedings of the Fourth IEEE International Symposium on High Performance Distributed Computing, 1995, pp 167-178. |
| | 3D | |

Examiner:

Date Considered:

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.